

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/13413

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C08K 5/55; C08L 27/12; F28F 7/00

US CL : 524/185,544,545; 165/185

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 524/183,184,520

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
In-House search tool: East, Inventor search in U.S. Patents and PGPubs

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
DERWENT, JPO, EPO databases

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,011,872 A (LATHAM et al) 30 April 1991 (30.04.1991), claims 1-4, column 2, lines 6-8, 33-36, 47-50; column 3, lines 15-22, 46	1-11
X	US 6,246,035 B1 (OKUDA) 12 June 2001 (12.06.2001), abstract, claims 1-4, 6, and 9, col. 5, lines 27-38.	1-11
X	JP 56-000837 A (NAKAJIMA et al) 01 July 1981 (01.07.1981), abstract, page 271, table.	1-4 and 8-11
X	US 2003/0043586 A1 (SAGAL et al) 6 March 2003 (06.03.2003), abstract, claims 1, 3, 4, and 7.	1-2, 4-5, and 8-11
X	DERWENT 1980-29808 C abstract of JP 55-017944 A (SUMITOMO ELECTRIC IND) 1980 (1980), see entire abstract.	1-7 and 11

☐ Further documents are listed in the continuation of Box C.



See patent family annex.

### \* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent published on or after the international filing date

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"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T"

later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X"

document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y"

document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

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document member of the same patent family

Date of the actual completion of the international search

10 September 2004 (10.09.2004)

Date of mailing of the international search report

21 OCT 2004

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